

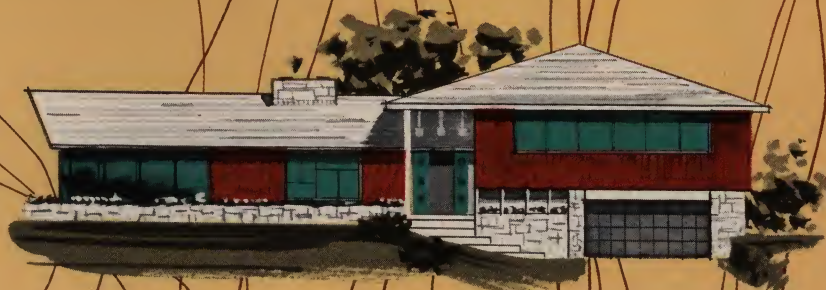
A new  
concept in  
architectural  
design . . .



**GLAS-**

**-WICH®**

*The most beautiful glass in the world*



DEARBORN GLASS COMPANY • BEDFORD PARK, ILLINOIS

20





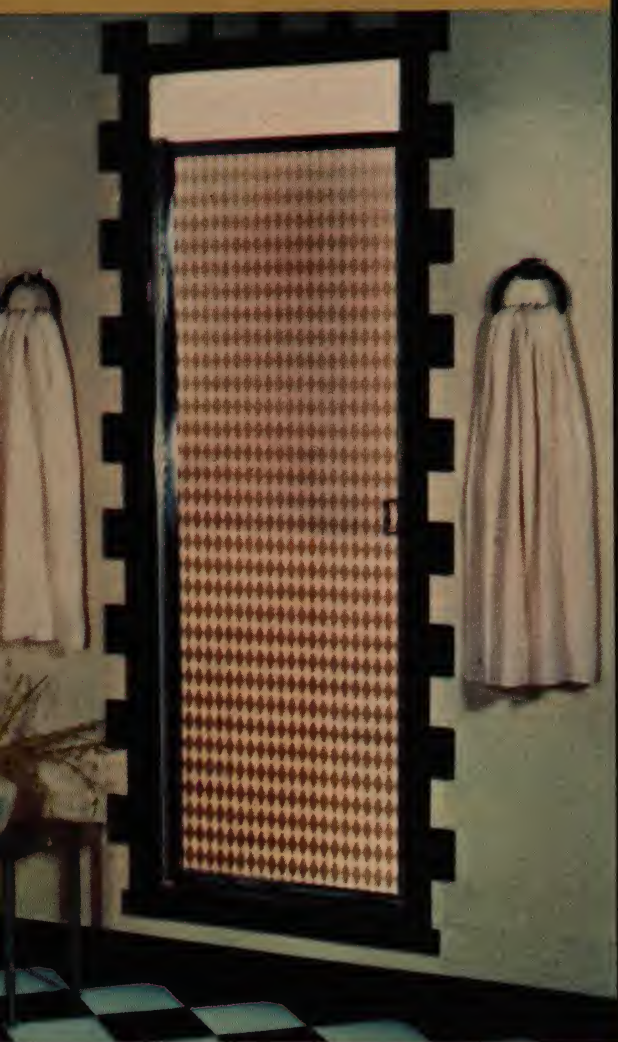
# GLAS- -WICH

... a glass

Through the years, architects and builders have sought a building material that afforded versatility, beauty, lasting qualities and safety in a single adaptable product.

Now, after years of intensive research and experimentation, the Dearborn Glass Company has created Glas-Wich, a custom-designed line of decorative building material that opens up new vistas in the wonderful world of glass.

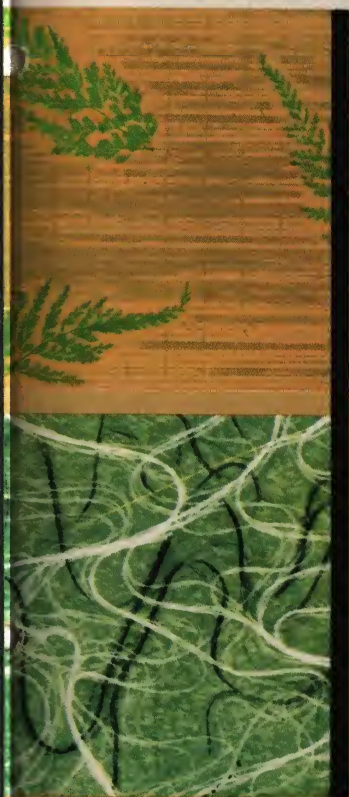
Glas-Wich, a new form of expression in decorative laminated safety glass, is a dream come true—for Glas-Wich actually fires and inspires the imagination. Utterly different and exciting, Glas-Wich has as many versatile interior and exterior applications in commercial establishments, homes, offices and institutions as the most imaginative mind can conceive!





# created for the designer

2 custom  
designed patterns



## the ABC's of GLAS-WICH

### what it is...

GLAS-WICH is a decorative laminated glass consisting of two or more SHEETS of glass *permanently* bonded together with an interlayer or interlayers of vinyl butyral plastic, under heat and pressure. The decorative components are sandwiched between the glass, protected and preserved for the life of the glass.

### where used...

GLAS-WICH can be used wherever sheet glass is used and in many areas where it could not be used previously.

### flexibility of design...

GLAS-WICH can be designed to meet specific *design, structural, physical or safety* requirements. Can be designed for *light control, glare reducing, ultraviolet reducing and infra-red reducing*.

### variations by:

1. Thickness of glass (any number of laminations up to a total thickness of 2").
2. Types of glass (clear, textured, colored).
3. Designs in pigment, or dyes within the transparent plastic laminate binder, or on the glass, that can be:
  - a. printed
  - b. screened
  - c. painted
  - d. in mirrored metal
  - e. inserted materials, such as paper, cloth, fibers, botanicals, etc. (materials up to  $\frac{1}{8}$ " thick) They must, however, be inert to and not harmful to vinyl butyral.
4. Combinations of any of the above.





# Applications...that are unique,

a touch of decorative  
genius in commercial  
interiors and exteriors,  
homes, offices and  
institutions

This unique building material has unlimited applications in almost every conceivable form of construction. Because it is a safety glass and is non-shattering, Glas-Wich can be used for a score of vertical and horizontal applications such as: entrances to buildings, glass doors, foyers, wall decorations, room dividers, shower stall doors and enclosures, display fixtures and wherever safety is of paramount importance. The ingenious method of lamination makes it possible to achieve a complete variety of effects ranging from transparency, through translucency, to complete opacity.



## ...bathroom

Bath tub enclosure illustrates standard Champagne design which provides a note of distinction for contemporary bathroom settings.

standard patterns  
available from stock  
for many applications

The illustration at right shows Golden Fleece, one of the six new standard GLAS-WICH patterns. See page 6 for illustration of the other new standard patterns with translucent or transparent backgrounds.



## .. entrance doors

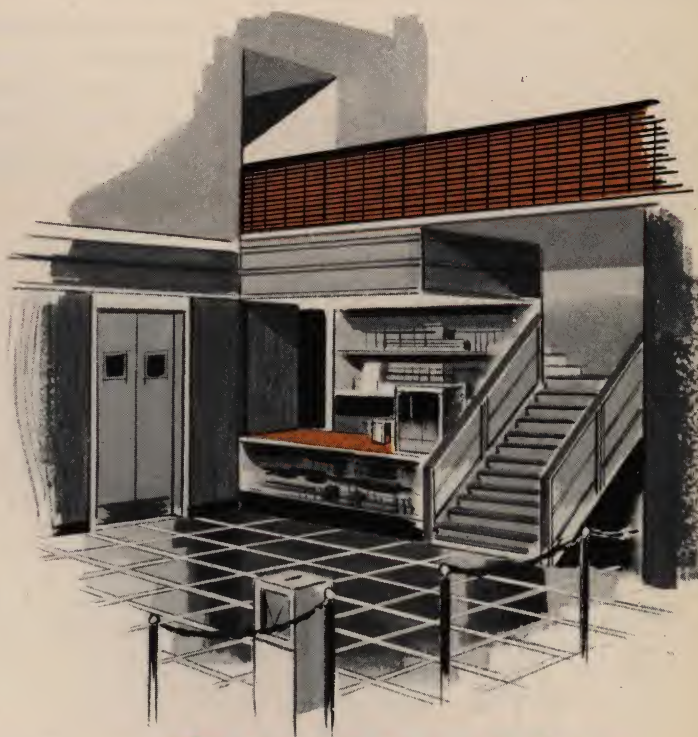


practical, versatile...safe!



### ...cocktail lounge

The back bar, bar top and wall panels may be in one motif while a similar or contrasting Glas-Wich pattern might serve for the bar face or table tops.



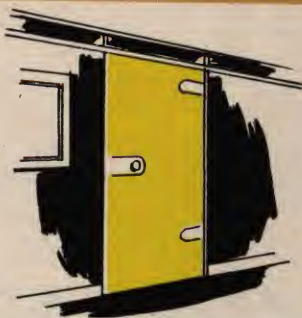
### ...theater lobby

Versatile, colorful Glas-Wich patterns provide innumerable applications for theater lobbies, foyers, etc.

*The illustrations below show a few of the many other Glas-Wich applications. The scope of Glas-Wich installations is limited only by your imagination.*



Office Partitions



Office Doors



Hotel Lobbies



Entranceways



Room Dividers



Kitchen Soffits



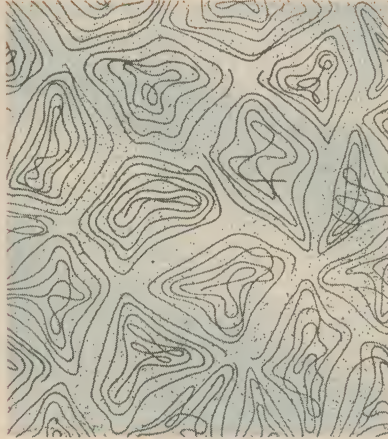
## standard patterns

For economical installations of GLAS-WICH, not requiring custom handling, Dearborn has carefully designed and selected a series of six patterns with translucent or transparent backgrounds. Sheets are stocked up to 39" x 81". Available special, up to 48" x 96".

**NOTE:** patterns illustrated are approximately 25% of actual size.



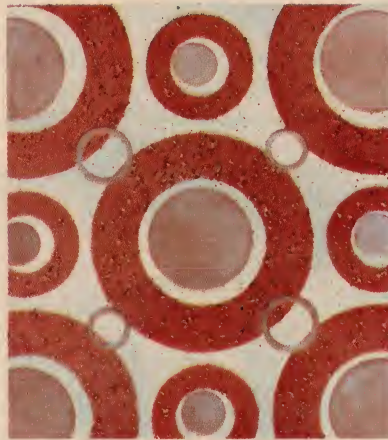
**TOUCHE':** Brown  
Translucent



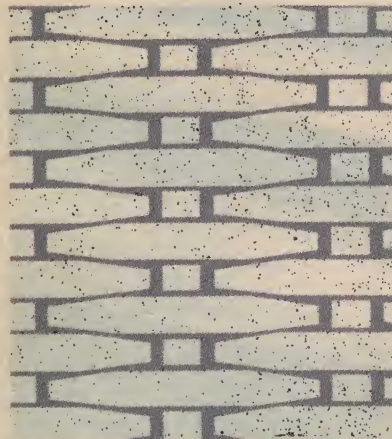
**PAISLEY:** Mirror  
Translucent



**GOLDEN FLEECE:** Gold  
Transparent



**CHAMPAGNE:** Pink  
Transparent



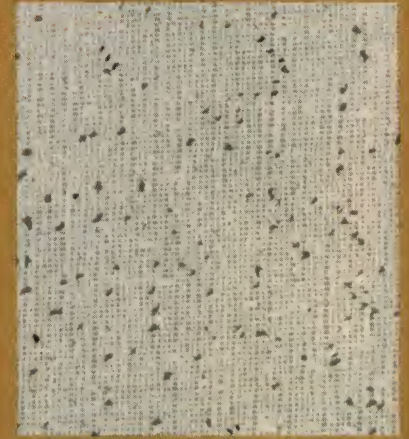
**ROMAN WEAVE:** Blue  
Translucent



**HARLEQUIN:** Black  
Translucent



**BINTULU:** Open mesh design  
of tropical cane.



**STAR DUST:** Hundreds of minute  
shimmering silver speckles.



**CELESTIAL:** A shower of gold stars  
with shimmering gold threads.



**ASTRAL:** Silver studded thread  
entwining tiny silver stars.



## 14

## natural patterns

The natural inserts illustrated here have been selected with extreme care to provide the broadest possible application and to satisfy the most discriminating tastes.

Maximum pattern size, 48" x 96" with following exceptions:

Cloud Mist 38" x 96", South Sea 36" x 96", and Bintulu 35" x 96".

**SOUTH SEA:** Natural bamboo, symbolic of the tropics.



**RIVER OF GOLD:** Flowing threads of glittering gold.



**MYSTIC LEAF:** Delicate leaves, beautiful as Belgian lace.



**BUTTERFLIES:** Butterflies in all their natural beauty.



**PETITE FERN:** Clusters of exquisitely delicate brown ferns.



**DEEP SEA:** A stunning array of multi-colored pearl chips.



**CLOUD MIST:** Fine, spun-like white threads in a swirled effect.



**GREEN MAPLE:** Star-like grouping of miniature maples.



**MAIDEN FERN:** Natural leaves in all their brilliant beauty.



**FAN LEAF:** Fine-ribbed leaves of deep green.



# 15

colors  
to choose from

- No. 427 Lemon-Opaque
- No. 429 Gold-Opaque
- No. 430 Cardinal-Opaque
- No. 441 Orange-Opaque
- No. 442 Chinese Red-Opaque
- No. 445 White-Opaque
- No. 446 Ebony-Opaque
- No. 562 Hunter Green-Translucent
- No. 563 Purple-Translucent
- No. 564 Royal Blue-Translucent
- No. 565 Ultramarine-Opaque
- No. 566 Brown-Opaque
- No. 812 Signal Yellow-Translucent
- No. 813 Cherry-Translucent
- No. 814 Shamrock Green-Opaque

ALSO AVAILABLE—All of the geometric designs shown on right in Silver Mirror. NOTE! Any of the above colors can also be used as background colors!

## screened geometric patterns

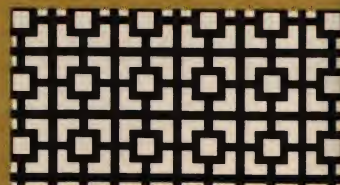
These basic geometric designs were created by an internationally known designer in collaboration with leading architects and decorators. The final choice for these basic designs rested upon two things: (1) simplicity and beauty, and (2) the ability to look sparkling fresh for many years to come. Each design is available in a brilliant array of colors ranging from complete opaque colors through translucent shades to transparent tones.

maximum size available: 48" x 96"

Scale: one foot width indicated



Sphere



Square 'n Square

# 10

metalized  
colors

- Satin Aluminum
- Gunmetal
- Tiffany White Gold
- Roman Gold
- Statuary Bronze
- Antique Silver
- Brushed Brass
- Nugget Gold
- Rubbed Copper
- Coinage Bronze

## backgrounds

Backgrounds can be made of the basic geometric designs illustrated above in any of the 15 colors shown as well as any of the 10 metalized colors indicated at the bottom of this page. The "F" fiberglass mats, "N" colored fabrics can also be used for backgrounds. Other effects can be achieved by using the 15 transparent and 7 translucent backgrounds indicated below.

# 7

translucent backgrounds

- pastel beige • pastel green • pastel white • pastel brown
- pastel pink • pastel red • pastel aqua

# 15

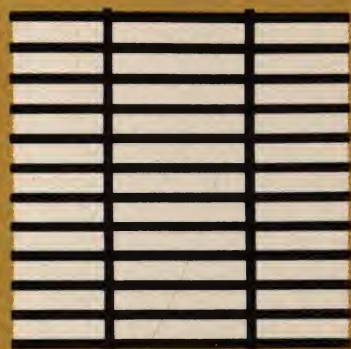
transparent colors

(for backgrounds only)

- tulip • carnation • orchid • dahlia • marigold • sunflower
- crocus • moss • sage • avocado • fern • bluebell • cornflower • slate • smoke

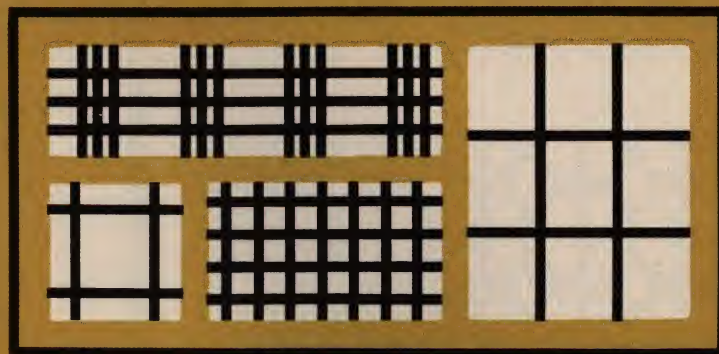


**SHOJI:** In addition to the Shoji Small at left, a more general use of separator bars for the Shoji effect is offered. Any size glass up to 48" x 96" can be divided into any number of individual squares or rectangulars to fit the glass as desired. These separators are  $\frac{1}{2}$ ",  $\frac{3}{4}$ " or 1" wide and can be supplied in a mirror, black or any standard opaque color.



Shoji  
Small

Shoji  
Variations



Steeple



Spots



Sierra

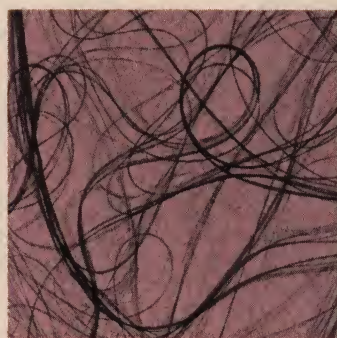


Stripes



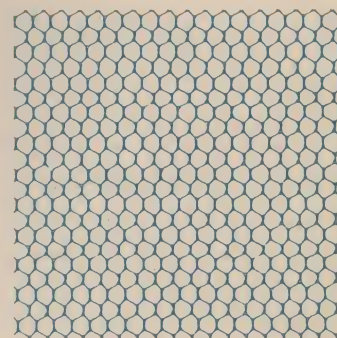
### "F" fiberglass mats

for backgrounds can be furnished in either design illustrated above, and in your choice of colors. These designs are available in natural red, white, dark blue, pink or black. Maximum size available 48" x 96".



### "N" colored fabrics

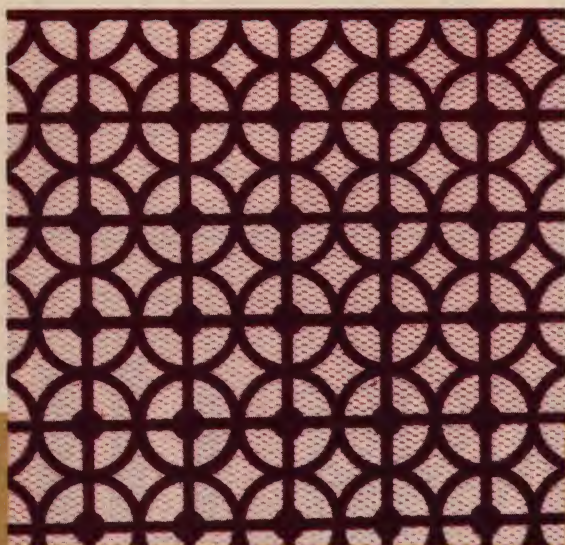
are suitable for any design. "N" fabrics are available in white, black, royal blue, American beauty, emerald, red, chartreuse. Maximum size available 48" x 96".







1



2

1 Steeples with "F" Fiber Glass Background

2 Sphere with "N" Fabric Background

## screened designs

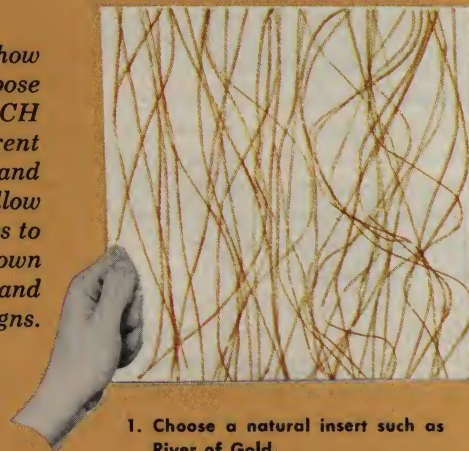
You can formulate your own GLAS-WICH designs by combining screened designs like Sphere, Square 'n Square, etc. with "F" fiber glass backgrounds, "N" fabric backgrounds, transparent or translucent backgrounds.

## mirrored designs

Unusual GLAS-WICH designs may be created by combining mirrored designs like Steeples, Sierra, Stripes, etc. with "F" fiber glass backgrounds, or "N" fabric backgrounds, transparent or translucent backgrounds.

# Combinations

*These illustrations show you how you can compose your own GLAS-WICH designs by selecting different colored translucent and opaque patterns. Follow these simple directions to create your own fascinating and distinctive designs.*



1. Choose a natural insert such as River of Gold.

## physical properties

### dimensional information

The average thickness of GLAS-WICH will be .210 to .250 in sizes up to 24" x 48" and .250 to .320 in sizes larger than 24" x 48". Tolerance on over-all size will be plus or minus  $\frac{1}{8}$ ". Heavier glass can be used for laminating if desired. Multiple layers of glass up to  $\frac{1}{4}$ " thickness can be supplied.

### weight per square foot

Weight depends on construction. It can vary from slightly less than one pound up to thirty pounds per square foot.

### flexural strength

Flexural strength is approximately 25% less than a solid piece of glass of the same thickness. Tempered, or  $\frac{1}{4}$ ", or  $\frac{1}{2}$ " plate glass can be used in the laminate to meet severe shock loading requirements.

### impact strength

The impact strength is primarily dependent on the thickness and type of face plate being shock loaded. The laminate is twice as strong as the single pieces of glass of which it is composed, but about 25% less than a solid piece of glass of a thickness equal to the laminate. Faces  $\frac{1}{4}$ " thick have approximately three times the impact strength of  $\frac{1}{8}$ " faces. Impact strength in comparison with other glass glazing materials is more than adequate.



## ... form your own



2. Combine it with a second insert such as Maiden Fern.



3. Place both inserts behind Butterflies design.



4. This is the piece of decorative art you have created when these particular inserts are combined.

## and specification information

### thermal shock resistance

The resistance to thermal shock is better than that of a single light of glass of the same nominal thickness as the laminate. The thermal shock resistance of  $\frac{1}{4}$ " plate glass is 100°F. Thermal shock resistance of  $\frac{1}{4}$ " tempered glass is 400°F.

### safety

GLAS-WICH meets all specifications of standard laminated safety glass; conforms to all building codes.

### optical properties

GLAS-WICH is manufactured to meet your requirements—from transparent (with optimum optical clarity) to opaque.

### reflection-reducing

A permanent reflection-reducing surface treatment known as Tru-Site produces a slightly diffused effect. It can be used on one or both surfaces. Maximum size 40" x 80".

### glare-reducing filter

Glare reducing filter, Slate Grey (provides 25% total transmission) and Smoke Grey (provides 11% total transmission) can be used with or without inserts. However, the appearance of the insert may be altered by the filter.

### figured glass

Figured glass, whether Diffusex, Finetex, Ribbed, Factrolite or Luxite can be laminated to clear glass or itself with or without inserts for translucency.

### acoustical properties

Supplied to reduce outside noise in the range of 30 decibels and possibly more.

### weatherability

As impervious to weathering as other types of glass.

### permanence

Successful installations of laminated glass have existed up to twenty years. It is expected that properly installed GLAS-WICH will endure until structurally destroyed.

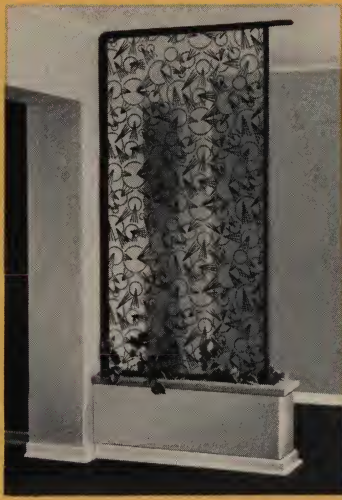
### maintenance

No maintenance required other than that normally used with glass.

### special inserts and laminations

Your special fabrics, paper or other materials can probably be laminated. Submit a sample for laboratory test and quotation.





**GLAS-**

**-WICH®**



**DEARBORN GLASS COMPANY**

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